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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2011; month=7; day=25; hr=12; min=14; sec=7; ms=538;]

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Application No: 10581431

Version No: 6.1

Input Set:

Output Set:

Started: 2011-07-25 12:11:31.365

Finished: 2011-07-25 12:11:33.437

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 72 ms

Total Warnings: 31

Total Errors: 0

No. of SeqIDs Defined: 78

Actual SeqID Count: 78

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
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W 213	Artificial or Unknown found in <213> in SEQ ID (9)
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W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)

Input Set:

Output Set:

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Total Errors: 0
No. of SeqIDs Defined: 78
Actual SeqID Count: 78

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> The Scripps Research Institute
Barbas III, Carlos F.
Chung, Junho

<120> INTEGRIN ALPHA.IIb.BETA.3 SPECIFIC ANTIBODIES AND PEPTIDES

<130> TSRI 1019.1 US

<140> US 10/581,431

<141> 2004-12-03

<150> US 60/526,859

<151> 2003-12-03

<150> PCT/US2004/040381

<151> 2004-12-03

<160> 78

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<212> PRT

<213> Artificial Sequence

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<212> PRT

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<223> encoded by randomized DNA sequence: Ala, Cys, Asp, Glu,
Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

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Val Gly Xaa Xaa Xaa Arg Ala Asp Xaa Xaa Xaa Tyr Ala Met Asp
1 5 10 15
Val

<210> 4
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 4

Val Val Cys Arg Ala Asp Lys Arg Cys
1 5

<210> 5
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
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<400> 5

Val Trp Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 6
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<212> PRT
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<220>
<223> HCDR3 consensus part

<400> 6

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1 5

<210> 7

<211> 9
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<220>
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<400> 7

Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 8
<211> 16
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<220>
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<400> 8

Val Arg Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 9
<211> 72
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<221> misc_feature
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<223> n represents a, g, c, or t

<400> 9

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gacgtctggg gc 72

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<212> DNA
<213> Artificial Sequence

<220>
<223> primer dpseq

<400> 10

agaagcgtag tccggaacgt c 21

<210> 11
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<212> DNA
<213> Artificial Sequence

<220>
<223> primer DP-47N-term

<400> 11

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<210> 12
<211> 39
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<220>
<223> primer DP-47FR3

<400> 12

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<400> 13

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 <400> 15

 aagacagcta tcgcgattgc agtg 24

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 <213> Artificial Sequence

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 <220>
 <223> primer lead-B

 <400> 18
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<210> 19
 <211> 9
 <212> PRT
 <213> Homo sapiens

 <400> 19
 Thr His Ser Arg Ala Asp Arg Arg Glu
 1 5

<210> 20
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> inversed RAD motif peptide

<400> 20

Val Val Cys Asp Ala Arg Arg Arg Cys
1 5

<210> 21
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> inversed RAD motif peptide

<400> 21

Thr His Ser Asp Ala Arg Arg Arg Glu
1 5

<210> 22
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<213> Artificial Sequence

<220>
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<220>
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<223> encoded by randomized DNA sequence: Ala, Cys, Asp, Glu,
Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

<400> 22

Xaa Xaa Xaa Arg Ala Asp Xaa Xaa Xaa
1 5

<210> 23
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> RAD motif peptide

<400> 23

Cys Arg Ala Asp Val Pro Leu Cys
1 5

<210> 24

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<223> RAD motif peptide

<400> 24

Cys Met Ser Arg Ala Asp Arg Pro Cys
1 5

<210> 25

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

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Val Arg Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
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Val

<210> 26

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 26

Val Arg Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 27

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 27

Val Arg Val Trp Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 28

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 28

Val Gly Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 29

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 29

Val Gly Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 30

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 30

Val Gly Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 31

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR consensus part

<400> 31

Val	Gly	Val	Trp	Cys	Arg	Ala	Asp	Lys	Arg	Cys	Tyr	Ala	Met	Asp
1				5					10					15
Val														

<210> 32

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> RAD87 part

<400> 32

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys
				65					70					75
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp
				95					100					105
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
				110					115					

<210> 33

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<223> RAD9 part

<400> 33

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys

	65		70		75
Asn Ser Leu Tyr	Leu Gln Met Asn Ser	Leu Arg Ala Glu Asp Thr			
	80		85		90
Ala Val Tyr Tyr	Cys Ala Arg Val Arg	Val Val Cys Arg Ala Asp			
	95		100		105
Arg Arg Cys Tyr	Ala Met Asp Val Trp	Gly Gln Gly Thr			
	110		115		

<210> 34
 <211> 118
 <212> PRT
 <213> Homo sapiens

<220>
 <223> RAD12 part

<400> 34

Glu Val Gln Leu	Leu Glu Ser Gly	Gly Gly Leu Val	Gln Pro Gly
1	5	10	15
Gly Ser Leu Arg	Leu Ser Cys Ala	Gly Ser Gly Phe	Thr Phe Ser
	20	25	30
Ser Tyr Ala Met	His Trp Val Arg	Gln Ala Pro Gly	Lys Gly Leu
	35	40	45
Glu Trp Val Ser	Ala Ile Gly Thr	Gly Gly Gly Thr	Tyr Tyr Ala
	50	55	60
Asp Ser Val Lys	Gly Arg Phe Thr	Ile Ser Arg Asp	Asn Ala Lys
	65	70	75
Asn Ser Leu Tyr	Leu Gln Met Asn Ser	Leu Arg Ala Glu	Asp Thr
	80	85	90
Ala Val Tyr Tyr	Cys Ala Arg Val Arg	Val Val Cys Arg	Ala Asp
	95	100	105
Arg Arg Cys Tyr	Ala Met Asp Val Trp	Gly Gln Gly Thr	
	110	115	

<210> 35
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 <212> PRT
 <213> Homo sapiens

<220>
 <223> RAD34 part

<400> 35

Glu Val Gln Leu	Leu Glu Ser Gly	Gly Gly Leu Val	Gln Pro Gly
1	5	10	15
Gly Ser Leu Arg	Leu Ser Cys Ala	Gly Ser Gly Phe	Thr Phe Ser
	20	25	30
Ser Tyr Ala Met	His Trp Val Arg	Gln Ala Pro Gly	Lys Gly Leu
	35	40	45
Glu Trp Val Ser	Ala Ile Gly Thr	Gly Gly Gly Thr	Tyr Tyr Ala
	50	55	60
Asp Ser Val Lys	Gly Arg Phe Thr	Ile Ser Arg Asp	Asn Ala Lys
	65	70	75

Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80						85				90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp
				95						100				105
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
				110						115				

<210> 36
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 <212> PRT
 <213> Homo sapiens

<220>
 <223> RAD3 part

<400> 36

Glu	Val	Gln	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Leu	Val	Gln	Pro	Gly
1				5					10					15
Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ala	Lys
				65					70					75
Asn	Ser	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Arg	Val	Val	Cys	Arg	Ala	Asp
				95					100					105
Arg	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
				110					115					

<210> 37
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 <213> Homo sapiens

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 <223> RAD32 part

<400> 37

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Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Val	Ser	Arg	Asp	Asn	Ser	Gln
				65					70					75
Ser	Thr	Ala	Tyr	Leu	Gln	Ile	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr

	80		85		90									
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Gly	Val	Trp	Cys	Arg	Ala	Asp
	95								100					105
Lys	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
	110								115					

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 <211> 118
 <212> PRT
 <213> Homo sapiens

<220>
 <223> RAD88 part

<400> 38

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Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Gly	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Ser	Tyr	Ala	Met	His	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Ala	Ile	Gly	Thr	Gly	Gly	Gly	Thr	Tyr	Tyr	Ala
				50					55					60
Asp	Ser	Val	Lys	Gly	Arg	Phe	Thr	Val	Ser	Arg	Asp	Asn	Ser	Gln
				65					70					75
Ser	Thr	Ala	Tyr	Leu	Gln	Ile	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr
				80					85					90
Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Val	Gly	Val	Trp	Cys	Arg	Ala	Asp
				95					100					105
Lys	Arg	Cys	Tyr	Ala	Met	Asp	Val	Trp	Gly	Gln	Gly	Thr		
				110					115					

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<220>
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Gly	Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser
				20					25					30
Phe	Tyr	Gly	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu
				35					40					45
Glu	Trp	Val	Ser	Gly	Val	Ser	Ser	Ser	Gly	Ile	Thr	Thr	Tyr	Tyr
				50					55					60
Ala	Ala	Ser	Val	Arg	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser
				65					70					75
Lys	Asn	Thr	Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp
				80					85					90

Thr Ala Val Tyr Tyr Cys Ala Arg Val Arg Thr His Ser Arg Ala
95 100 105
Asp Arg Arg Glu Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
110 115

<210> 40
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<212> PRT
<213> Homo sapiens

<220>
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Arg Gly Asp
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<210> 41
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<400> 41

Arg Ala Asp
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<210> 42
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<223> RYD motif

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Arg Tyr Asp
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<210> 43
<211> 9
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<213> Homo sapiens

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<400> 43

Thr His Ser Arg Ala Asp Arg Arg Glu
1 5

<210> 44
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<212> PRT
<213> Homo sapiens

<220>
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<400> 44

Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 45
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Val Trp Cys Arg Ala Asp Arg Arg Cys
1 5

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Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 47
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Val Trp Cys Arg Ala Asp Arg Arg Cys
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1 5

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1 5

<210> 51
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Val Val Cys Arg Ala Asp Arg Arg Cys

1 5

<210> 52
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Val Trp Cys Arg Ala Asp Lys Arg Cys
1 5

<210> 53
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<223> Anti-gp120 Fab part

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1 5 10 15
Met Asp Val

<210> 54
<211> 18
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<220>